

ALL PATENTS, INCLUDING DESIGN
FOR APPLICATION BASED ON PCT; PARIS CONVENTION;
NON PRIORITY; OR PROVISIONAL APPLICATIONS

DECLARATION
AND POWER OF ATTORNEY
U.S.A.

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ATTORNEYS' DOCKET NO.

P68322US0

As a below named inventor, I declare that my residence, post office address and citizenship are stated below next to my name, the information given herein is true, that I believe that I am the original, first and sole inventor (if only one name is listed at 201 below), or an original, first and joint inventor (if plural inventors are named below at 201-203, or on additional sheets attached hereto) of the subject matter which is claimed and for which patent is sought on the invention entitled:

METHOD OF MANUFACTURING A FLASH MEMORY CELL

which is described and claimed in:

☐ the attached specification

☐ PCT International Application No.

☒ the specification in application Serial No. 10/287,785

filed

filed Nov. 5, 2002

(if applicable) and amended on

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

2001-83496

(Number)

Republic of Korea

(Country)

22/12/2001

(Day/Month/Year Filed)

☒ Yes

☐ No

(Number)

(Country)

(Day/Month/Year Filed)

☐ Yes

☐ No

(Number)

(Country)

(Day/Month/Year Filed)

☐ Yes

☐ No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

Application No.

Filing Date

Application No.

Filing Date

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is

(Application Serial No.)

(Filing Date)

(Status: patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys (Registration No.) to prosecute this application, receive and act on instructions from my agent, and transact all business in the Patent and Trademark Office connected therewith. HARVEY B. JACOBSON, JR. (20,851); JOHN CLARKE HOLMAN (22,769); MARVIN R. STERN (20,640); ALLEN S. MELSER (27,215); MICHAEL R. SLOBASKY (26,421); JONATHAN L. SCHERER (29,851); IRWIN M. AISENBERG (19,007); WILLIAM E. PLAYER (31,409); YOON S. HAM (45,307) and NATHANIEL A. HUMPHRIES (22,772)

SEND CORRESPONDENCE TO: CUSTOMER NO. 00136

Or

JACOBSON HOLMAN
PROFESSIONAL LIMITED LIABILITY COMPANY
400 SEVENTH STREET, N.W.
WASHINGTON, D.C. 20004

DIRECT TELEPHONE CALLS TO:

(please use Attorney's Docket No.) (202) 638-6666

JACOBSON HOLMAN
PROFESSIONAL LIMITED LIABILITY COMPANY

*Inventor(s) name must include at least one unabbreviated first or middle name.

201	FULL NAME * OF INVENTOR	FAMILY NAME DONG	GIVEN NAME Cha	MIDDLE NAME Deok
	RESIDENCE & CITIZENSHIP	CITY Ichon-Shi	STATE OR FOREIGN COUNTRY Republic of Korea	COUNTRY OF CITIZENSHIP Republic of Korea
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Dongyang Apt. 101-704, 322, Songjeong-Dong, Ichon-Shi, Kyungki-Do, Republic of Korea		CITY Ichon-Shi
202	FULL NAME * OF INVENTOR	FAMILY NAME KWAK	GIVEN NAME Noh	MIDDLE NAME Yea
	RESIDENCE & CITIZENSHIP	CITY Ichon-Shi	STATE OR FOREIGN COUNTRY Republic of Korea	COUNTRY OF CITIZENSHIP Republic of Korea
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Hyundai Jeonja Sawon Apt. 104-1501, 441-1, Sadong-Ri, Daewol-Myun, Ichon-Shi, Kyungki-Do, Republic of Korea		STATE OR COUNTRY Republic of Korea
203	FULL NAME * OF INVENTOR	FAMILY NAME	GIVEN NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		CITY

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under section 1001 of Title 18 of the United States Code; and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201*	SIGNATURE OF INVENTOR 202*	SIGNATURE OF INVENTOR 203*
DATE: November 1, 2002	DATE: November 1, 2002	DATE:

Additional inventors are named on separately numbered sheets attached hereto.



UNITED STATES
PATENT AND
TRADEMARK OFFICE

APRIL 25, 2003

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

JACOBSON HOLMAN PLLC
400 SEVENTH STREET N.W.
SUITE 600
WASHINGTON, DC 20004



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/20/2002

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DONG, CHA DEOK

DOC DATE: 11/01/2002

ASSIGNOR:

KWAK, NOH YEAL

DOC DATE: 11/01/2002

ASSIGNEE:

HYNIX SEMICONDUCTOR INC.
SAN 136-1, AMI-RI, BUBAL-UEP
ICHON-SHI, KYUNGKI-DO
REPUBLIC
OF KOREA
467-860

SERIAL NUMBER: 10287785
PATENT NUMBER:

FILING DATE: 11/05/2002
ISSUE DATE:

013600/0729 PAGE 2

TONYA LEE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



12-27-2002

Commissioner of Patents & Trademarks



Washington, D.C. 20231

Form PTO-1595

(Rev. 03/01)

U.S. DEPARTMENT OF COMMERCE

U.S. PATENT AND TRADEMARK OFFICE

102323226

To the honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof:

1. Name of Conveying Party(ies):

DONG, CHA DEOK

KWAK, NOH YEAL

12-20 02

2. Name and Address of Receiving Party(ies):

Name: Hynix Semiconductor Inc.

Street Address: San 136-1, Ami-Ri, Bubal-Uep

Street Address:

City: Ichon-Shi, Kyungki-Do

State/Country: Korea Postal Code: 467-860

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ NoAdditional name(s) and addresses attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment☐ Change of Name☐ Security Agreement☐ Other:☐ Merger

Execution Date: 11012002

4. Application Number(s) or Patent Number(s):

☐ Assignment is being filed together with new application and the first execution date of application is :☒ Application has been filed already and the application filing date is: 11052002A. Patent Application Number(s):
10/287,785

B. Issued Patent Number(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this matter should be mailed:

CUSTOMER NUMBER 00136 -or-

JACOBSON HOLMAN PLLC
400 Seventh Street, N.W.
Washington, D.C. 20004-2218
Tel. 202-638-6666

Attorney Docket Number: P68322US0

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$ 40.00

☒ Enclosed☒ Any deficiencies in enclosed fees are authorized to be charged to Deposit Account No. 06-1358.

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8. Statement and Signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Y on S. Ham/45,307

December 20, 2002

Name of Person Signing, Reg. No.

Signature

Date

Total number of pages including cover sheet, attachments, and documents:

-2-

UNITED STATES OF AMERICA - ASSIGNMENT

(1-5) Insert Name(s) of Inventor(s) (1) Cha Deok DONG and
(2) Noh Yeal KWAK
(3) _____
(4) _____
(5) _____

In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to

(6) Insert Name of Assignee (6) Hynix Semiconductor Inc.

(7) Insert Address of Assignee (7) of San 136-1, Ami-Ri, Bubal-Uep, Ichon-Shi, Kyungki-Do 467-860, Republic of Korea

(8) Insert Legal Entity and State or Country (e.g., a corporation or citizen of Korea) (8) A(n) Corporation of Republic of Korea
(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention known as

(9) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (9) METHOD OF MANUFACTURING A FLASH MEMORY CELL

(10) Insert Date of signing of Application, or filing date and Serial No., if known (10) for which the undersigned has (have) executed an application for patent in the United States of Said application having been executed/filed on November 5, 2002 (and assigned Serial No. 10/287,785)

1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims provisions of the International Union for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute any agreement in conflict herewith.

6) Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, right to sue for, and collect damages for, any and all acts of past and future infringement.

7) The undersigned hereby grant(s) the law firm of **Jacobson Holman PLLC**, 400 Seventh Street, N.W., Washington, D.C. 20004, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>November 1, 2002</u>	Name of Inventor	<u>Cha Deok DONG</u>	<u>Cha Deok Dong</u> (SEAL)
			Typed name	Signature
Date	<u>November 1, 2002</u>	Name of Inventor	<u>Noh Yeal KWAK</u>	<u>Kwak Noh Yeal</u> (SEAL)
			Typed name	Signature
Date	_____	Name of Inventor	_____	_____ (SEAL)
			Typed name	signature
Date	_____	Name of Inventor	_____	_____ (SEAL)
			Typed name	signature
Date	_____	Name of Inventor	_____	_____ (SEAL)
			Typed name	signature

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

☐ Additional inventor's names and signatures on a separate sheet.

Witness Jin Seok KIM Jin Seok Kim

Witness Keun Yong CHOI Keun Yong Choi

LAW OFFICES OF
JACOBSON HOLMAN
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